manufacture. However, the Commanding Officer, USCG Marine Safety Center, may detail Coast Guard personnel at any time to visit a factory where the equipment is manufactured to conduct an inspection of the manufacturing process.

[44 FR 53359, Sept.13, 1979, as amended by USCG 2001–10224, 66 FR 48621, Sept. 21, 2001]

§ 162.050–14 Sample collection and preservation.

(a) Each sample obtained in approval testing must be approximately one (1) liter in volume and must be collected in a narrow-necked glass bottle that has a pressure sealing cap. The cap must be lined with a material that will not affect the oil content of the sample.

(b) Each sample must be preserved by the addition of 5 ml. of hydrochloric acid at the time of collection. The hydrochloric acid must consist of equal amounts of concentrated reagent grade hydrochloric acid and distilled water.

(c) Each sample must be refrigerated at or below 4 °C. until analyzed. However, refrigeration is not necessary if there is no time delay between sample collection and analysis.

§ 162.050–15 Designation of facilities.

(a) Each request for designation as a facility authorized to perform approval tests must be submitted to the Commanding Officer, U.S. Coast Guard Marine Safety Center, Engineering Division, 400 Seventh Street SW., Washington, DC 20590–0001.

(b) Each request must include the following:

(1) Name and address of the facility.

(2) Each type of equipment the facility proposes to test.

(3) A description of the facility's capability to perform approval tests including detailed information on the following:

(i) Management organization including personnel qualifications.

(ii) Equipment available for conducting sample analysis.

(iii) Materials available for approval testing.

(iv) Each of the facility's test rigs, if any.

(c) The Coast Guard reviews each request submitted to determine whether the facility meets the requirements of paragraphs (g)(1) through (g)(4) of this section.

(d) If the facility meets the requirements in paragraphs (g)(1) through (g)(4) of this section, it is then supplied with twelve samples containing mixtures of oil in water that are within a 10 to 30 p.p.m. range.

(e) The facility must measure the oil content of each sample using the method described in § 162.050–39 and report the value of each of the 12 measurements to the Commanding Officer, U.S. Coast Guard Marine Safety Center, Engineering Division, 400 Seventh Street SW., Washington, DC 20590–0001.

(f) The measurements must meet the following criteria:

(1) Except as provided in paragraph (f)(2) of this section, the absolute value of Tn for each measurement, as determined by the American Society for Testing and Materials, ''Standard Practice for Determination of Precision and Bias of Methods of Committee D–19 on Water'', D 2777 (incorporated by reference, see § 162.050–4), must be less than or equal to 2.29 at a confidence level of 0.05.

(2) The absolute value of Tn for one measurement may exceed 2.29 if the Tn values for the other eleven measurements are less than or equal to 2.23 at a confidence level of 0.05. If the Tn value for one measurement exceeds 2.29, that measurement is not used in the method described in paragraph (f)(3) of this section.

(3) The value of $\check{X}\leq$ for the 12 measurements described in paragraph (e) of this section, or for 11 measurements if paragraph (f)(2) of this section applies, must be within the range of $-1\ \check{X}\leq d+1$ at a minimum confidence level of 0.01 when $\check{X}\leq d$ is determined by the method described in paragraph 3–3.1.4 of ''Experimental Statistics'', National Bureau of Standards Handbook No. 91 (October 1966).

(g) To obtain authorization to conduct approval tests—

(1) A facility must have the management organization, equipment for conducting sample analysis, and the materials necessary to perform the tests;

(2) Each facility test rig must be of a type described in § 162.050–17 or § 162.050–19;